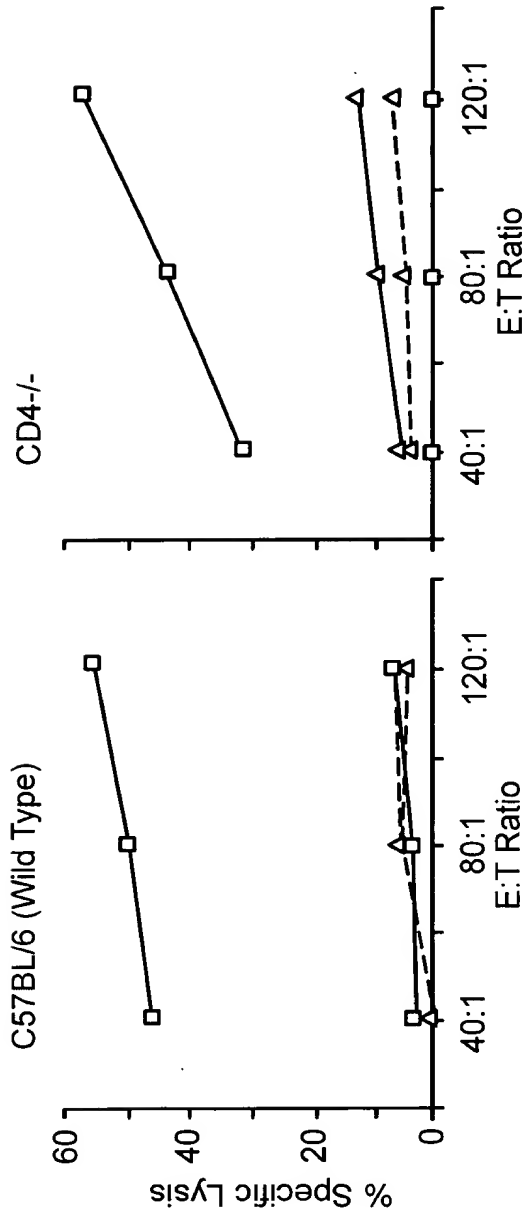
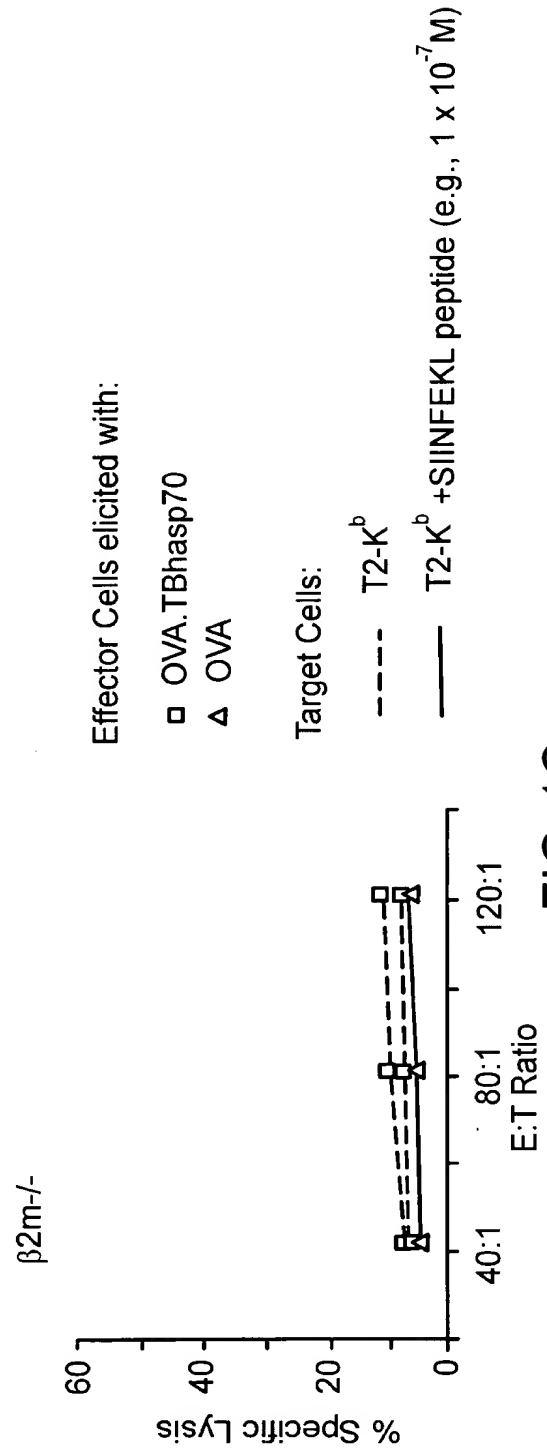




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**FIG. 1B**

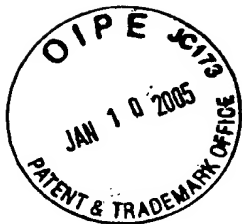


Effector Cells elicited with:

- OVA.TBhasp70
- △ OVA

Target Cells:

- T2-K<sup>b</sup>
- T2-K<sup>b</sup> + SIINFEKL peptide (e.g.,  $1 \times 10^{-7}$  M)



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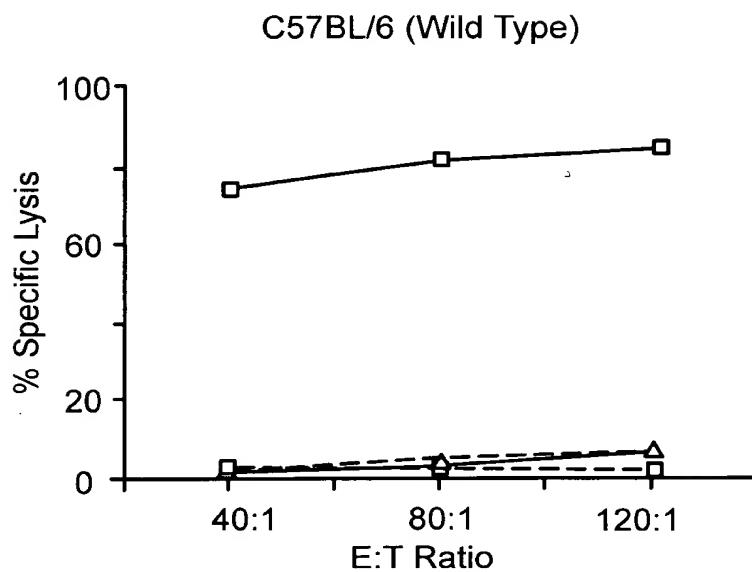
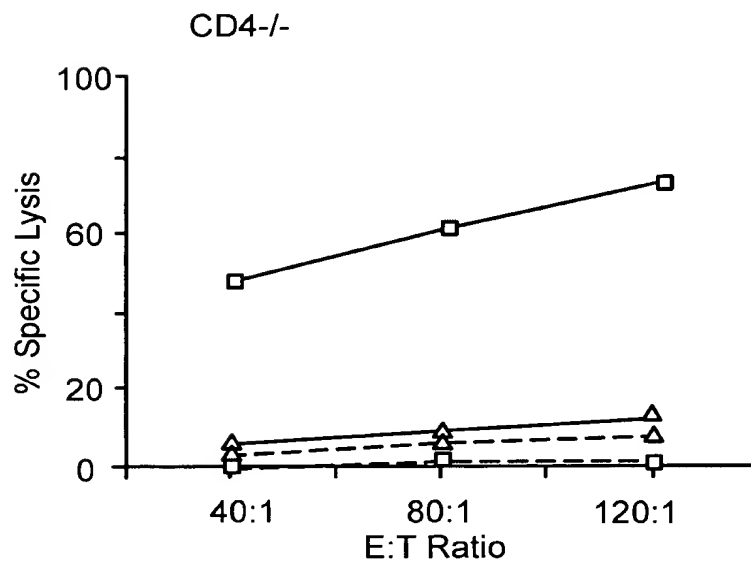


FIG. 2A

FIG. 2B

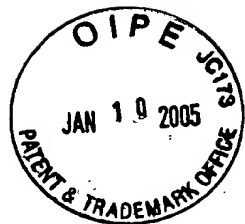


Effector Cells  
elicited with:

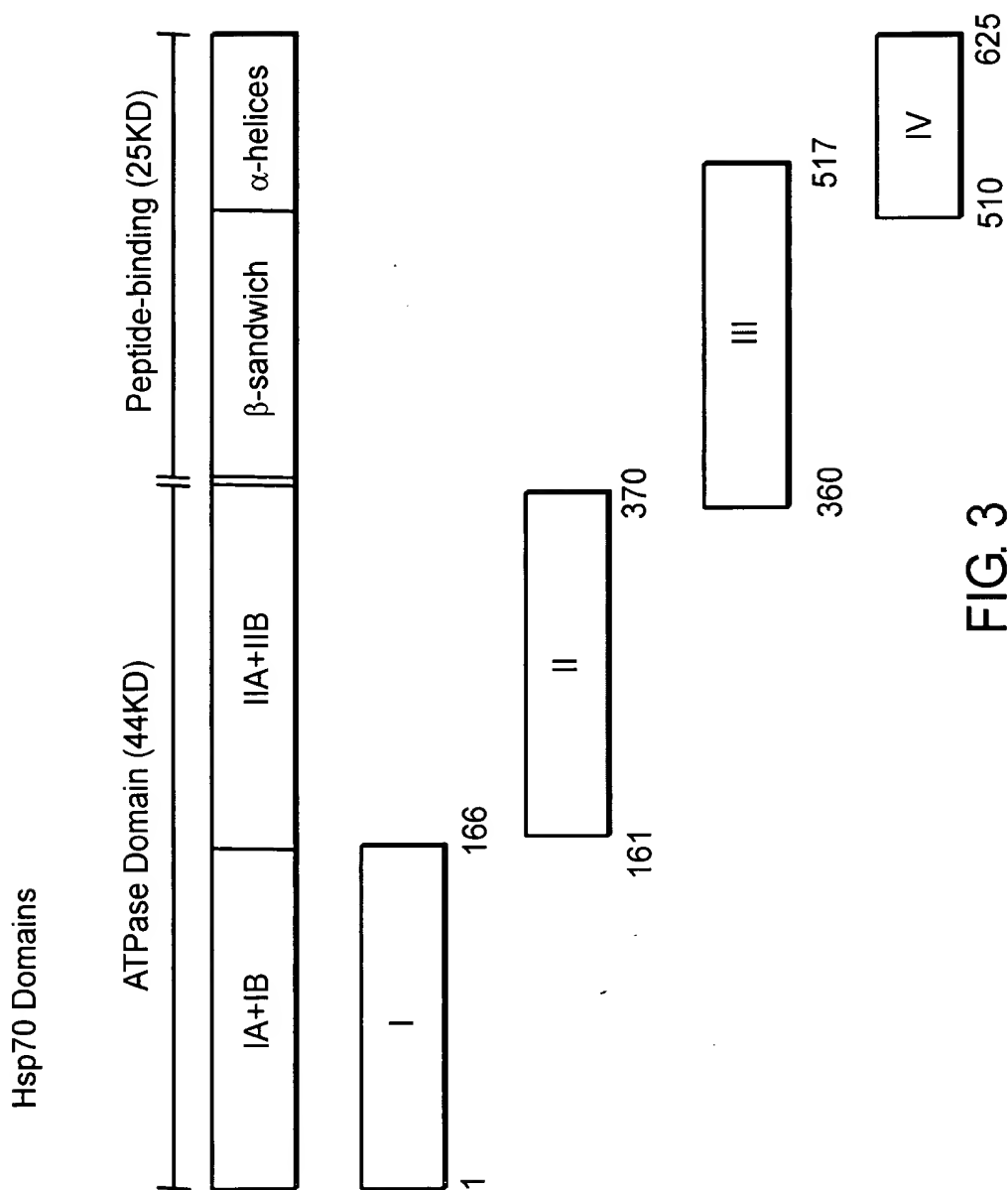
- OVA.TBhasp70
- △ OVA

Target Cells:

- T2-K<sup>b</sup>
- T2-K<sup>b</sup>+SIINFEKL



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C57BL/6

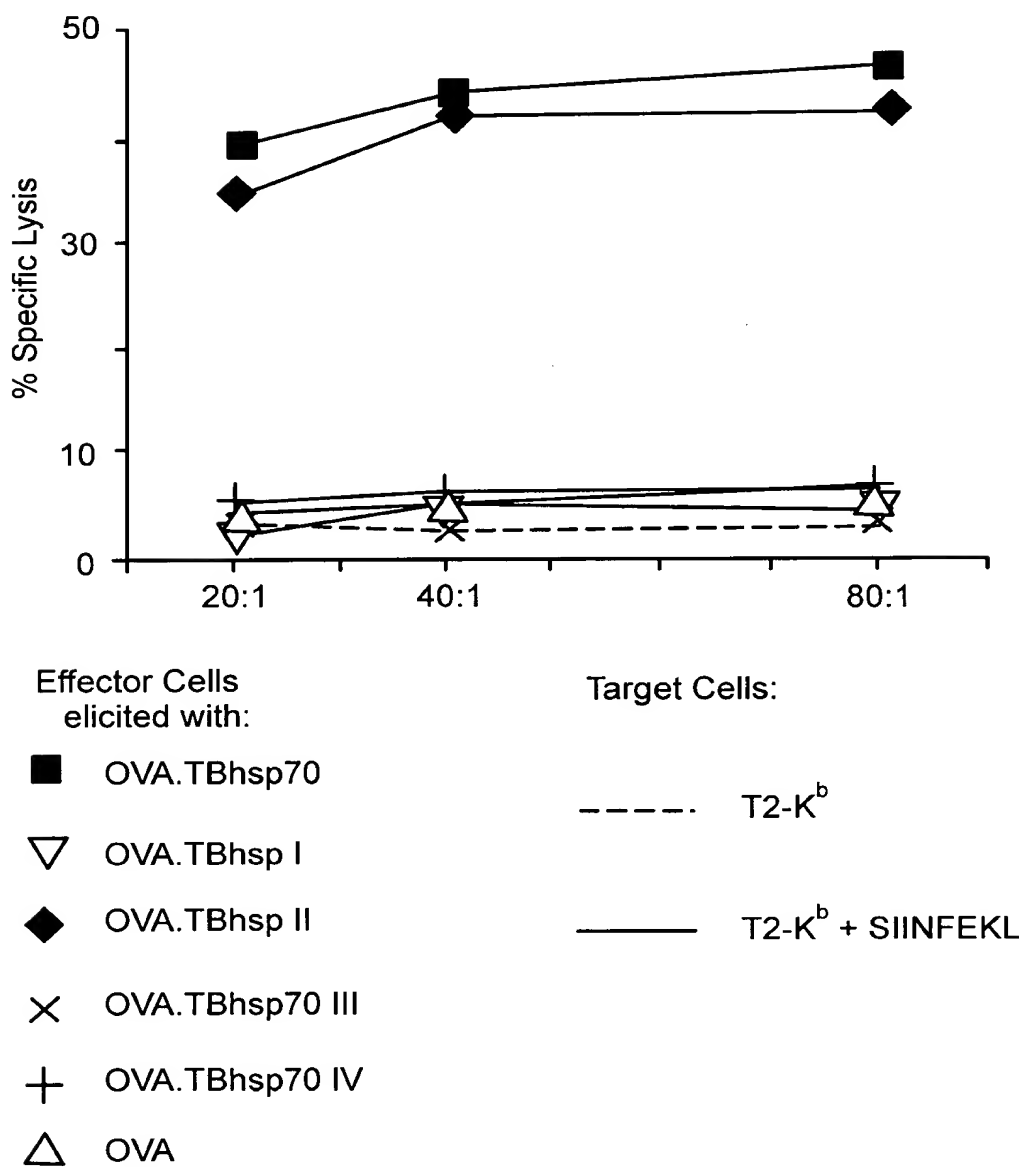


FIG. 4



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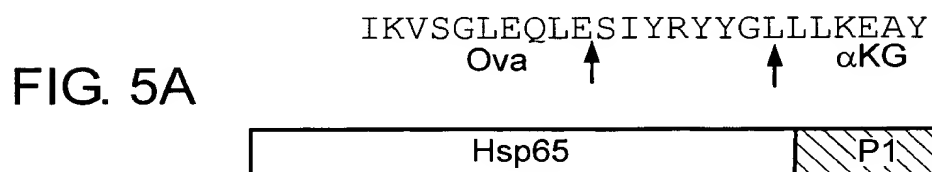


FIG. 5B

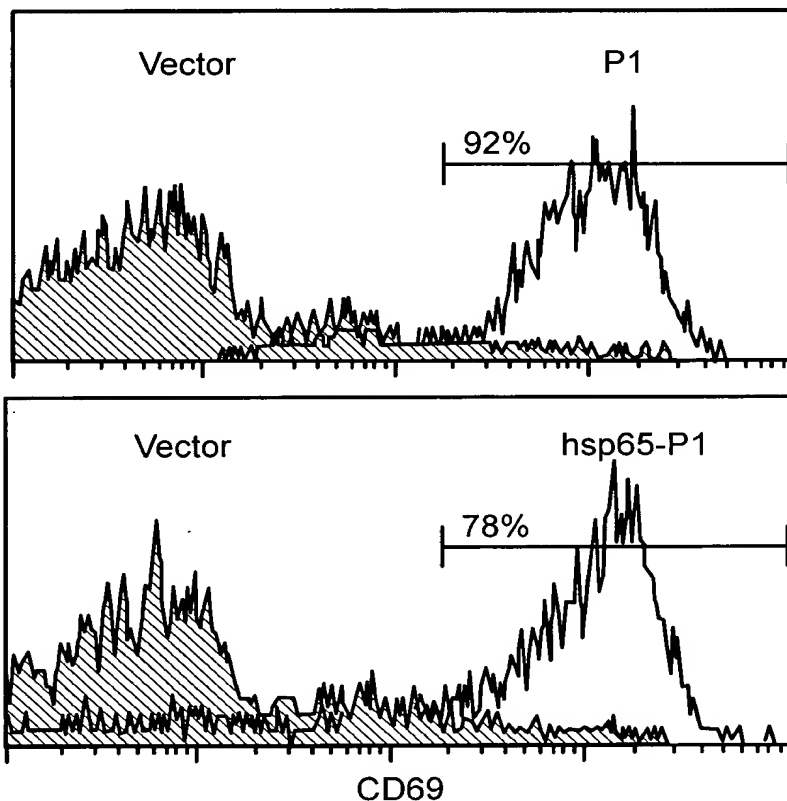
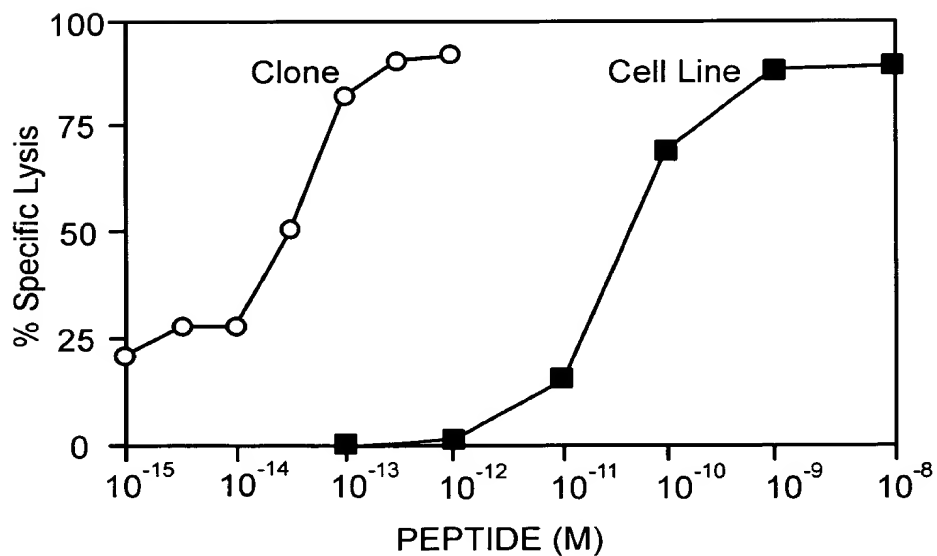


FIG. 5C



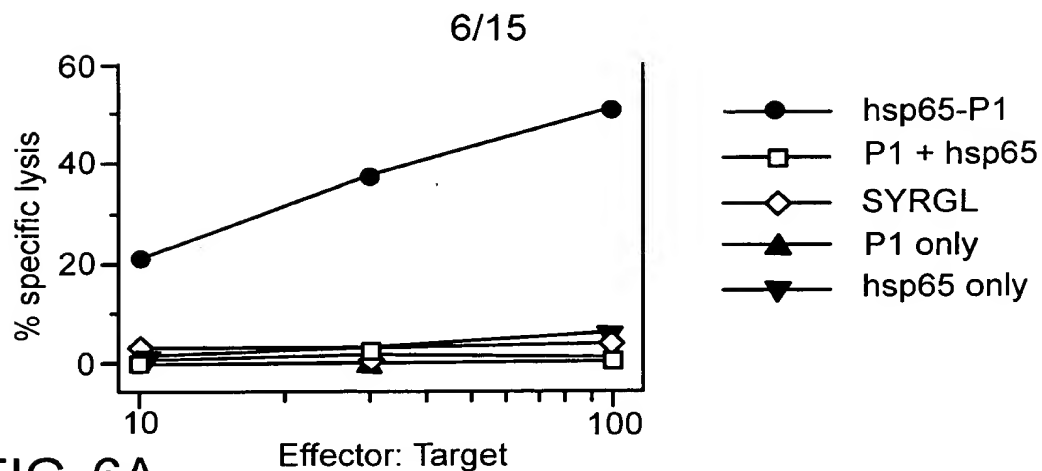


FIG. 6A

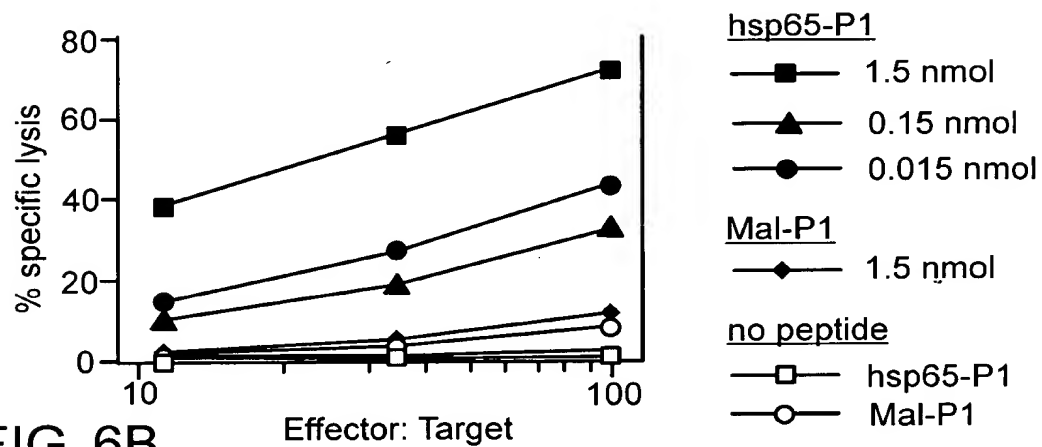


FIG. 6B

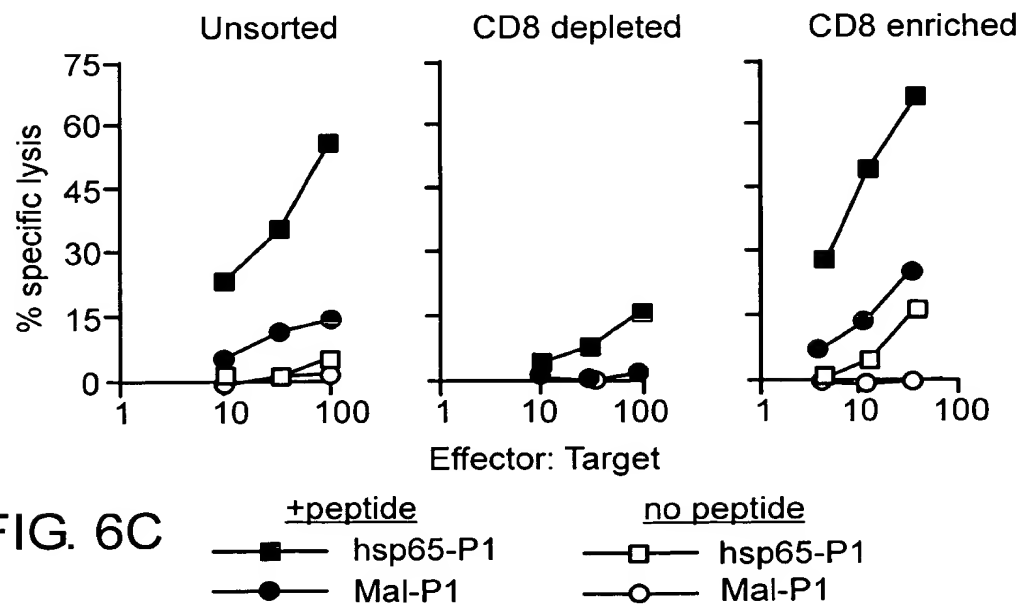


FIG. 6C



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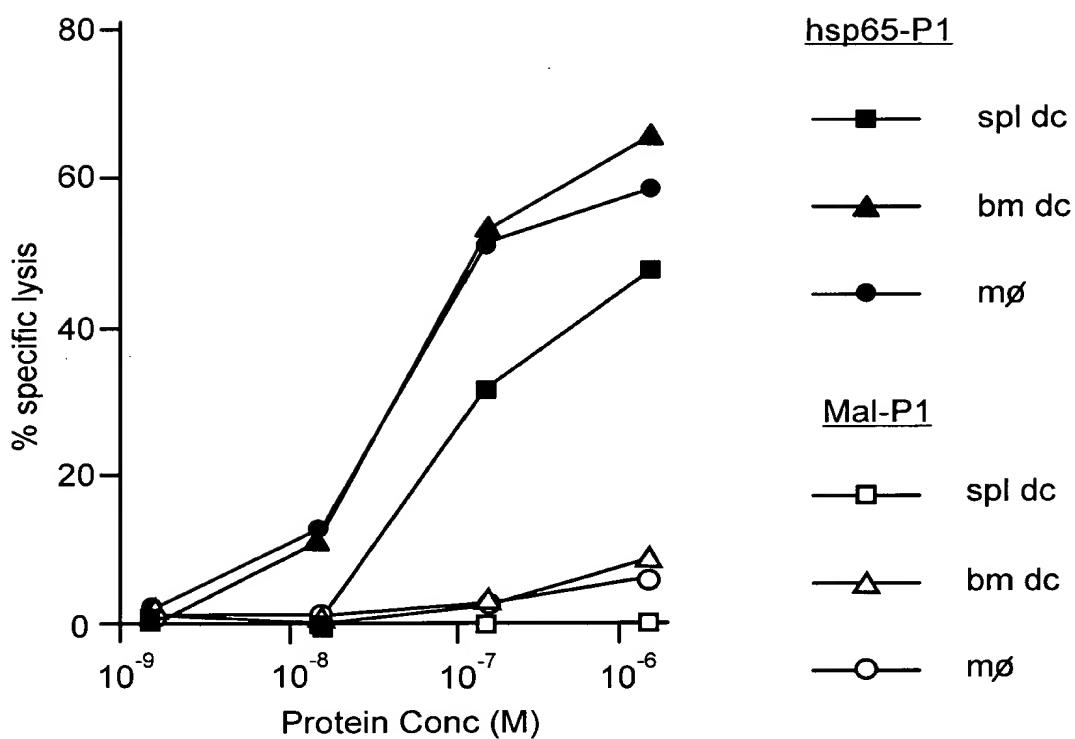
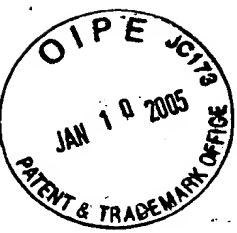


FIG. 7



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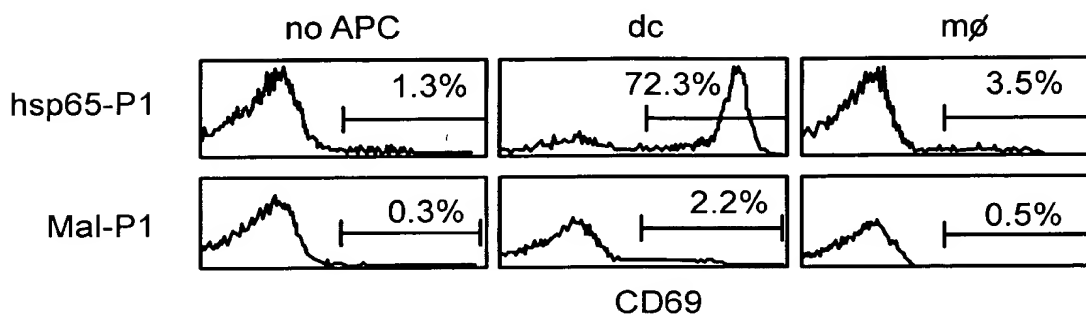


FIG. 8A

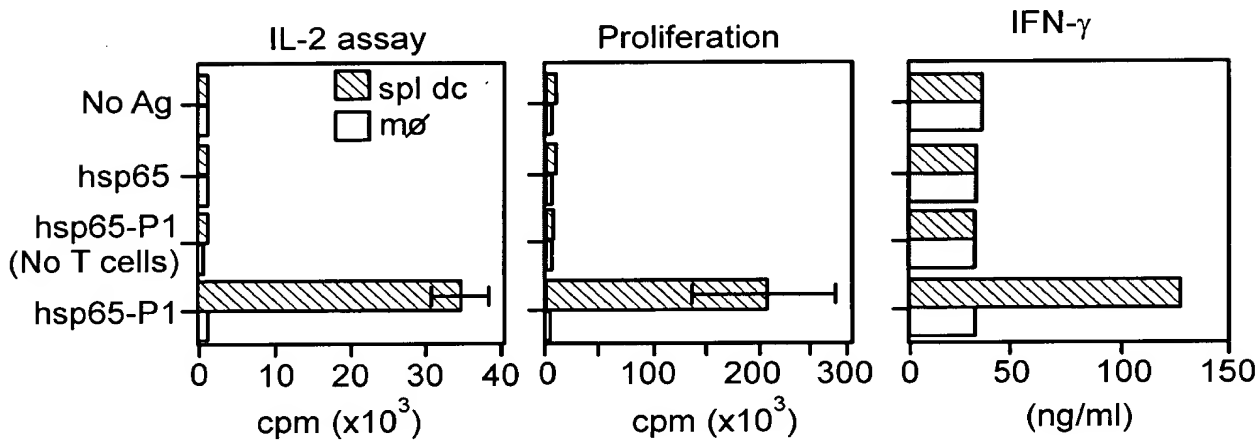


FIG. 8B

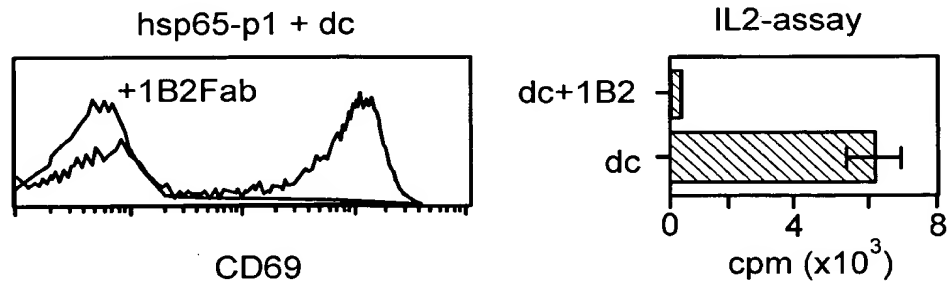


FIG. 8C





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FIG. 9A

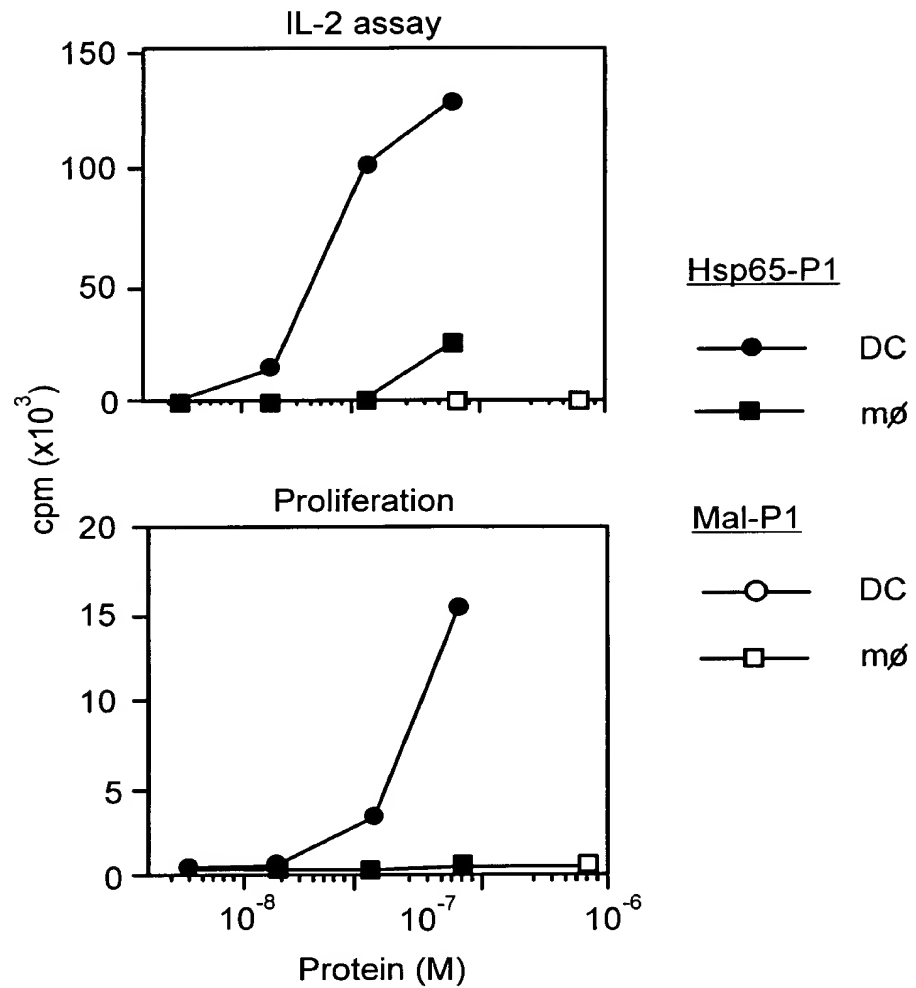
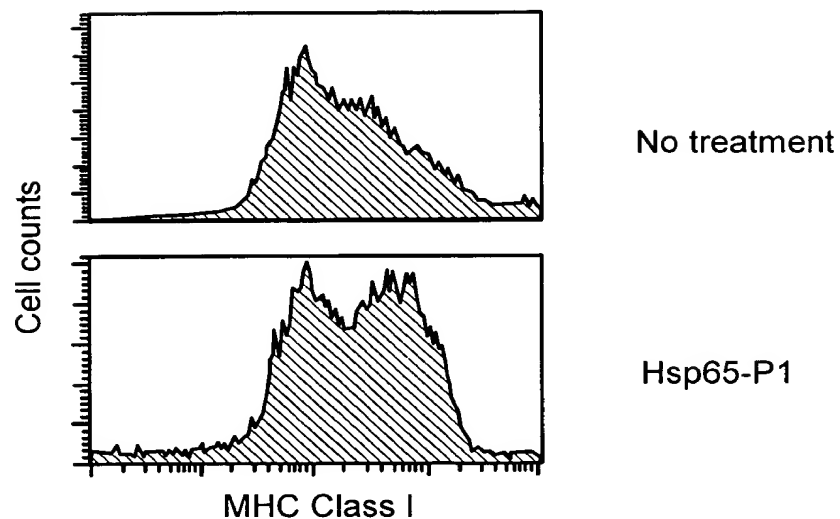


FIG. 9B





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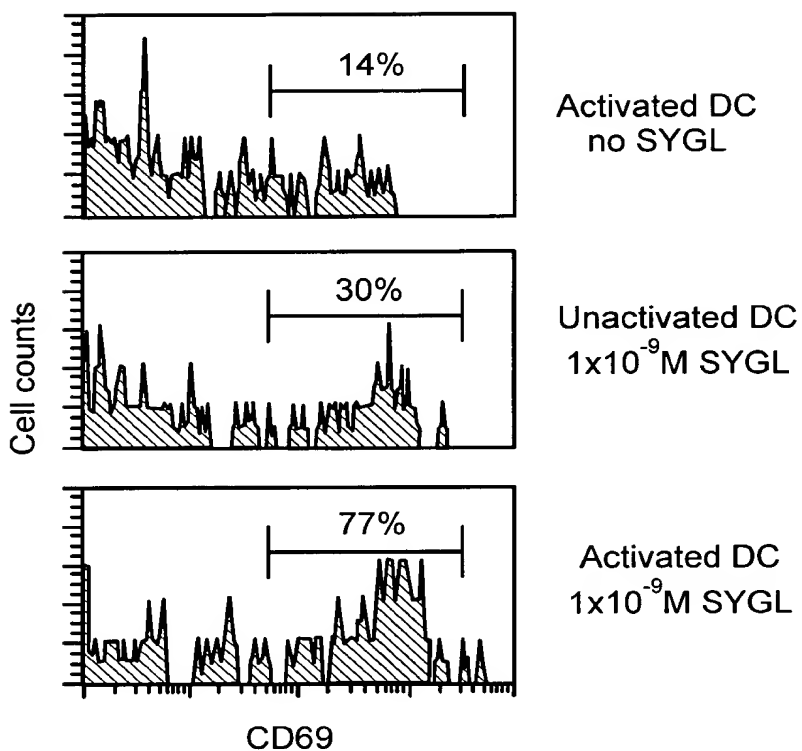
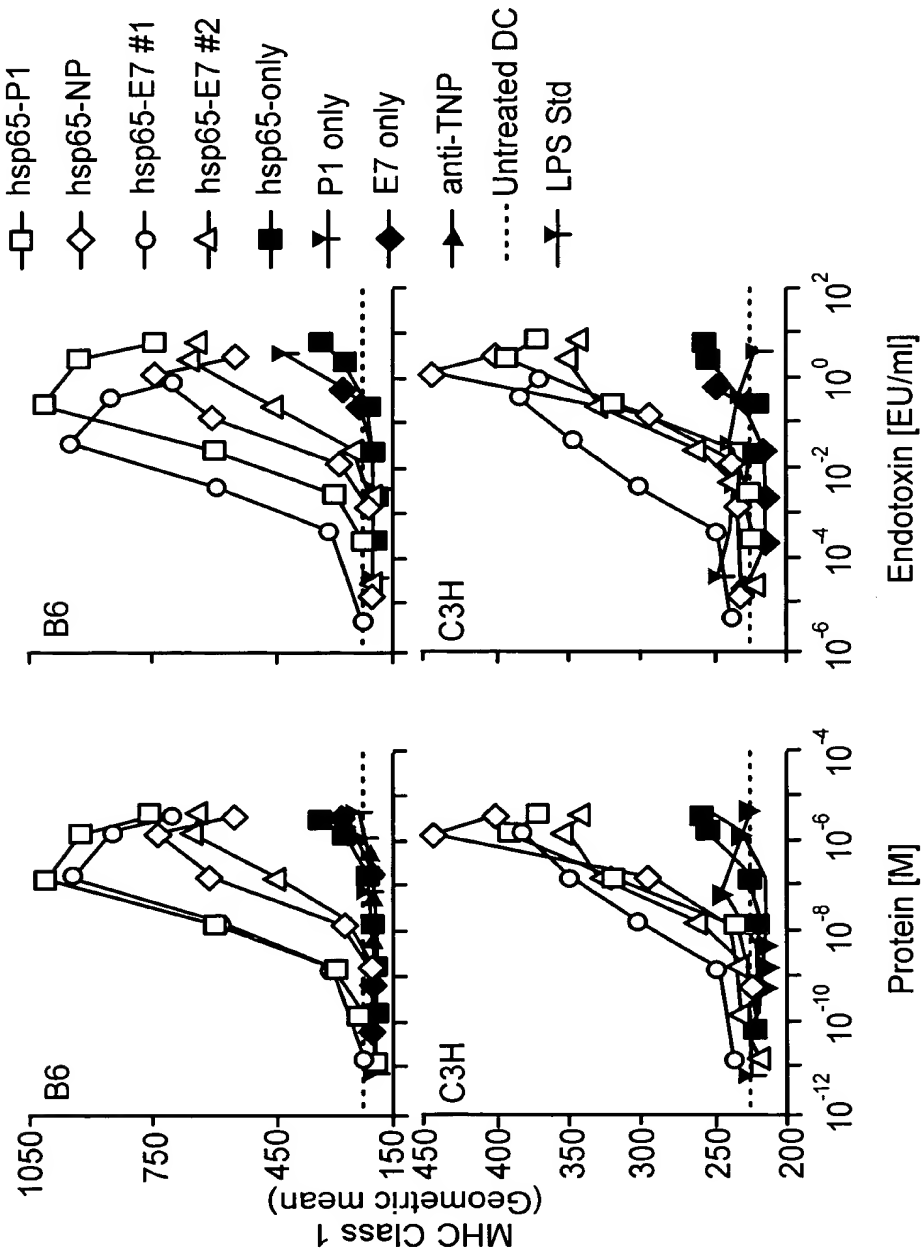
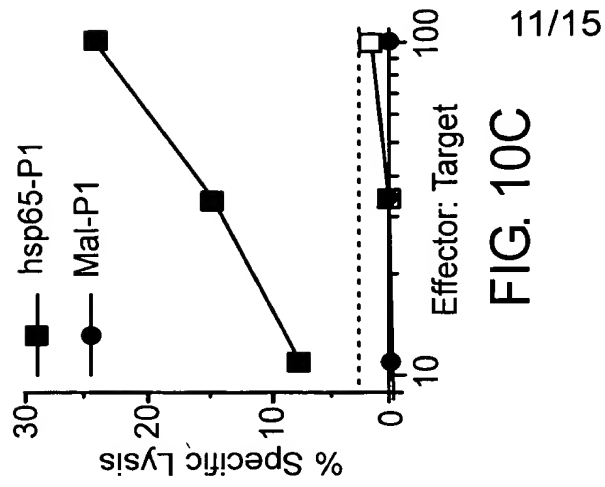


FIG. 9C

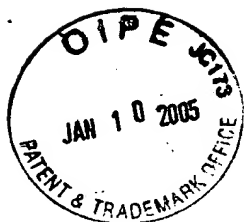




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atg gct cgt gcg gtc ggg atc gac ctc ggg acc acc aac tcc gtc gtc gtt ctg gaa ggt ggc gac cgg gtc gtc gtc ggc aac tcc gag ggc tcc agg acc acc cgg tca att  
M A R A V G I D L G T T N S V V S V L E G G D P V V V A N ~~S~~ E G S R T T P S I  
gtc ggc ttc gcc cgc aac ggt gag gtc ctg gtc ggc cag ccc gcc aag aac cag gca gtc acc aac gtc gat cgc acc gtc cgc tog gtc aag cga cac atg ggc agc gac tgg  
V A F A R N G E V L V G Q P A K N Q A V T N V D R T V R S V K R H M G S D W  
tcc ata gag att gac ggc aag aaa tac acc gcg ccg gag atc agc gcc att ctg atg aag ctg aag cgc gac gcc gag gcc tac ctc ggt gag gac att acc gac gcg gtt  
S I E I D G K K Y T A P E I S A R I L M K L K R D A E A Y L G E D I T D A V  
atc acg acg ccc gcc tac ttc aat gac gcc cag cgt cag gcc acc aag gac gcc ggc cag atc gcc ggc ctc aac gtc ctg cgg atc gtc aac gag cgg acc gcc gcc gcg ctg  
I T T P A Y F N D A Q R Q A T K D A G Q I A G L N V L R I V N E P T A A A L  
gcc tac ggc ctc gac aag ggc gag aag gag cga atc ctg gtc ttc gac tlg ggt ggc act ttc gac gtt tcc ctg gtc gag atc ggc gag ggt gtc gtc gtc cgt gcc  
A Y G L D K G E K E Q R I L V F D L G G T F D V S L L E I G E G V V E V R A  
act tcg ggt gac aac cac ctc ggc ggc gac gac tgg gac cag cgg gtc gtc gat tgg ctg gtc gac aag ttc aag ggc acc agc ggc atc gat ctg acc aag gac aag atg gcg  
T S G D N H L G G D D W D Q R V V D W L V D K F K G T S G I D L T K D K M A  
atg cag cgg ctg cgg gaa gcc gag aag gca aag atc gag ctg agt teg agt cag tcc acc tog atc aac ctg ccc tac atc acc gtc gac gcc gag aag aac ccg tlg ttc tta  
M Q R L R E A A E K A K I E L S S S Q S T S I N L P Y I T V D A D K N P L F L  
gac gag cag ctg acc cgc gcg gag ttc caa cgg atc act cag gac ctg gtc gac cgc act cgc aag ccg ttc cag tcg gtc atc gct gac acc ggc att tcg gtc tcg gag atc gat  
D E Q L T R A E F Q R I T Q D L L D R T R K P F Q S V I A D T G I S V S E I D  
cac gtt gtc ctc gtc ggt tcg acc cgg atg ccc gcg gtc acc gat ctg gtc aag gaa ctc acc ggc ggc aag gaa ccc aac aag ggc gtc aac ccc gat gag gtt gtc gcg gtc  
H V V L V G G S T R M P A V T D L V K E L T G G K E P N K G V N P D E V V A V  
gga gcc gct ctg cag gcc ggc gtc ctc aag ggc gag gtc aaa gac gtt ctg ctg ctt gat gtt acc ccg ctg agc ctg ggt atc gag acc aag ggc ggg gtc atg acc agg ctc atc  
G A A L Q A G V L K G E V K D V L L L D V T P L S L G I E T K G G V M T R L I  
gag cgc aac acc acg atc ccc acc aag cgg tcg gag act ttc acc acc gcc gac gac aac caa ccg tog gtc cag atc cag gtc tat cag ggg gag cgt gag  
E R N T T I P T K R S E T F T T A D D N Q P S V Q I Q V Y Q G E R E

FIG. 11



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gag aag gag cag cga atc ctg gtc ttc gac ttg ggt ggc act ttc gac gtt tcc ctg ctg gag atc ggc gag ggt gtt gag gtc cgt gcc act tcg ggt gac aac cac ctc ggc  
E K E Q R I L V F D L G G T F D V S L L E I G E G V V E V R A T S G D N H L G  
ggc gag gac tgg gag cag cgg gtc gtc gat tgg ctg gtc gag aag ttc aag ggc acc agc ggc atc gat ctg acc aag gac aag atg gcg atg cag cgg ctg cgg gaa gcc gcc  
G D D W D Q R V V D W L V D K F K G T S G I D L T K D K M A M Q R L R E A A  
gag aag gca aag atc gag ctg agt tog agt cag tcc acc tog atc aac ctg ccc tac atc acc gtc gac ggc aag aac ccg ttg ttc tta gac gag cag ctg acc cgc gcg gag  
E K A K I E L S S S Q S T S I N L P Y I T V D A D K N P L F L D E Q L T R A E  
ttc caa cgg atc act cag gac ctg ctg gac cgc act cgc aag ccg ttc cag tog gtc atc gct gac acc ggc att tog gtc tog gag atc gat cac gtt gtc ctc gtc ggt tog acc  
F Q R I T Q D L L D R T R K P F Q S V I A D T G I S V S E I D H V V L V G S T  
cgg atg ccc gcg gtc acc gat ctg gtc aag gaa ctc acc ggc ggc aag gaa ccc aac aag ggc gtc aac ccc gat gag gtt gtc gcg gtc gga gcc gct ctg cag gcc gcc gtc  
R M P A V T D L V K E L T G G K E P N K G V N P D E V V A V G A A L Q A G V  
ctc aag ggc gag gtc aaa gac gtt ctg ctg ctt gat gtt acc cgc  
L K G E V K D V L L L D V T P

FIG. 12



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atg gcc aag aac acg gcg atc ggc ctg ggc acc acc tac tgc gtg ggc gtg ttc cag cac ggc aag gtg gag atc atc gcc aac gac gac ggc aac cgc acg acc  
M A K N T A I G I D L G T T Y S C V G V F Q H G K V E I I A N D Q G N R T T

ccc agc tac gtg gcc ttc acc gac acc gag cgc ctg atc ggg gac gcc ggc aag aac cag gtg ggc ctg aac cgc gag aac acc gtg ttc gac gcg aag cgg ctg atc ggc cgc  
P S Y V A F T D T E R L I G D A A K N Q V A L N P Q N T V F D A K R L I G R

aag ttc ggc gat ggc gtg gtg cag tcc gac atg aag cac tgg ccc ttc cag gtg gtg aac gac ggc gac aag ccc aag gtg cag gtg aac tac aag ggc gag agc cgg tog ttc ttc  
K F G D A V V Q S D M K H W P F Q V V N D G D K P K V Q V N Y K G E S R S F F

cgc gag gag atc tgc tcc atg gtg ctg acg aag atg aag gag atc gct gag gcg tac ctg ggc cac cgc gtg acc aac ggc gtg atc acg gtg ccc gcc tac ttc aac gac tct cag  
P E I S S M V L T K M K E I A E A Y L G H P V T N A V I T V P A Y F N D S Q

cgc gag gcc acc aag gac ggc ggc gtg atc gcc ggt cta aac gtg ctg cgg atc atc aac gag ccc acc ggc gcc gcc atc gcc tac ggc ctg gac cgc acc ggc aag ggc gag  
R Q A T K D A G V I A G L N V L R I I N E P T A A I A Y G L D R T G K G E

cgc aac gtg ctg atc ttc gac ctg ggc ggc acg ttc gac gtg tcc atc ctg acg atc gac gac ggc atc ttc gag gtg aag gcc acg ggc ggc gac acg cac ctg gga ggc gag  
R N V L I F D L G G T F D V S I L T I D D G I F E V K A T A G D T H L G G E

gac ttc gac aac cgc ctg gtg agc cac ttc gtg gag gag ttc aag agg aag cac aag aag gac atc agc cag aac aag cgc gcg gtg cgc ggc ctg cgc acg ggc tgt gag agg  
D F D N R L V S H F V E F K R K H K D I S Q N K R A V R R L R T A C E R

gcc aag agg acg ctg tgc tcc agc acc cag gcc agc ctg gag atc gac tct ctg ttc gag ggc atc gac ttc aca tcc atc acg cgc ggc cgc ctg gaa gag ctg tgc tgc gac  
A K R T L S S S T Q A S L E I D S L F E G I D F Y T S I T R A R F E E L C S D

ctg ttc cgc ggc acg ctg gag gcc ctg cgc ggc gcc aag atg gac aag gcc cag atc cac gac ctg gtg ggc ggc ggc tgc acg cgc atc ccc aag gtg  
L F R G T L E P V E K A L R D A K M D K A Q I H D L V L V G G S T R I P K V

cag aag ctg ctg cag gac ttc ttc aac ggc cgc gac ctg aac aag agc atc aac cgc gac gag gcg gtg gcc tac ggc ggc ggc gtg cag gcg gcc atc ctg atg ggc gac  
Q K L L Q D F F N G R D L N K S I N P D E A V A Y G A A V Q A A I L M G D

aag tgc gag aac gtg cag gac ctg ctg ctg ggc ccc ctg tgc ggc ctg ggc ggc ggc gtg act ggc ggc ggc gtg atg acg gcg ctg atc aag cgc aac tcc acc atc ccc acc  
K S E N V Q D L L L L D V A P L S L G L E T A G G V M T A L I K R N S T I P T

aag cag acg cag acc ttc acc acc tac tgc gac aac cag ccc ggc gtg ctg atc  
K Q T Q T F T T Y S D N Q P G V L I

FIG. 13A



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cag gtg tac gag ggc gag agc gcc atg acg cgc gac aac aac ctg ctg ggg cgc ttc gag ctg agc ggc atc ccc ccc cgc ggc ccc agg ggc gtc ccc cag atc gag gtc acc ttc  
Q V Y E G E R A M T R D N N L L G R F E L S G I P P A P R G V P Q I E V T F

gac atc gac gcc aac ggc atc ctg aac gtc acg gcc acc gag aag agc acc ggc aag gcc aac aag atc acc aac gag aag ggc cgc ctg agc aag gag gag atc gag  
D I D A N G I L N V T A T D K S T G K A N K I T I T N D K G R L S K E E I E

cgc atg gtc gag ggc gag cgc tac aag gcc gag gag gag gtc gag cgc gag agc gtc ggc gcc aag aac ggc ctc gag tcc tat gcc ttc aac atg aag agc gcc gtc gag  
R M V Q E A E R Y K A E D E V Q R D R V A A K N A L E S Y A F N M K S A V E

gac gag ggt ctc aag ggc aag ctc agc gag gct gag aag aag gtc ctg gac aag tgc cag gag gtc atc tcc tgg ctg gac tcc aac acg ctg gcc gag aag gag gag ttc gtc  
D E G L K G K L S E A D K K K V L D K C Q E V I S W L D S N T L A D K E E F V

cac aag cgc gag gag ctg gag cgc gtc tgc agc ccc atc agt ggg ctg tac cag ggt ggc ggt gct cct ggg gct ggg ggc ttc ggg cgc gag ggc cgc aaa gga gcc  
H K R E E L E R V C S P I I S G L Y Q G A G A P G A G G F G A Q A P K G A

tct ggc tca gga ccc acc atc gag gag gtc gat tag

S G S G P T I E E V D \*

FIG. 13B

aag ggc gag cgc aac gtc ctc atc ttc gac ctg ggg ggc agc ttc gac gtc tcc atc ctg acg atc gac gac ggc atc ttc gag gtc aag gcc acg ggc ggc gac acg cac  
K G E R N V L I F D L G G G T F D V S I L T I D D G I F E V K A T A G D T H

ctg gga ggc gag gac ttc gac aac cgc ctg gtc agc cac ttc gtc gag gag ttc aag agc aag cac aag aag gac atc agc cag aac aag cgc ggc gtc cgc cgc acg  
L G G E D F D N R L V S H F V E F K R K K D I S Q N K R A V R R L R T

gcg tgt gag agg gcc aag agc agc ctg tcc agc acc cag gcc agc ctg gag atc gac tct ctg ttc gag ggc atc gac ttc tac aca tcc atc acg cgc ggc cgc ttc gaa gag  
A C E R A K R T L S S S T Q A S L E I D S L F E G I D F Y T S I T R A R F E E

ctg tgc tgc gag ctg ttc cgc ggc acg ctg gag ccc gtc gag aag gcc ctg cgc gac gcc aag atg gag aag gcc cag atc cac gag ctg gtc ctg gtc ggc tgc acg cgc atc  
L C S D L F R G T L E P V E K A L R D A K M D K A Q I H D L V L V G G S T R I

ccc aag gtc cag aag ctg ctg gag ttc ttc aac ggc cgc gag ctg aac aag agc atc aac cgc gag gag ggc gtc ggc tac ggg ggc ggc gtc cag ggc gcc atc ctg atg  
P K V Q K L L Q D F F N G R D L N K S I N P D E A V A Y G A A V Q A A I L M

ggg gac aag tgc gag aac gtc cag gac ctg ctg ctg gag gtc gat tag  
G D K S E N V Q D L L L L D V A P

FIG. 14